

INFORMATION SYSTEMS DEPARTMENT  
CITY OF MANCHESTER, NEW HAMPSHIRE

ADDENDUM NO. 1

January 27, 2005

SEALED PROPOSAL IS-0602

FOR

**Underground and Aerial Fiber Optic Cable Projects**

DATED

January 20, 2005

The attention of Bidders submitting proposals is called to the following addendum to the Sealed Proposal. The revisions set forth herein, whether of omission, addition or substitution are to be included in and form a part of the Proposal submitted.

Diane S. Prew  
Director, Information Services

1. **RUN #1** (*City Hall East to Fire Station 2*)
  - a) Install 144-strand single-mode fiber from the City Hall East at One City Hall Plaza to Fire Station 2. The run is as follows:
    - (1) **(Termination 144 strands in new fiber rack tray)** beginning in telco room of City Hall East at One City Hall Plaza, then via conduit out to Elm Street.
    - (2) Turn left northerly up Elm Street to Mechanic Street underground.
    - (3) Turn left down Mechanic Street to Plaza Drive underground.
    - (4) **(Loop out 24 strands for Fire Station 2-See Run #4)** Turn right with 120 strands northerly up Plaza Drive to Bridge Street Bridge underground.
    - (5) Turn left under Bridge Street Bridge and continue to McGregor Street.
    - (6) Turn left at McGregor Street and then right into CMC Hospital. **(Termination 12 Strands in new fiber cabinet)**
    - (7) Continue with 108 strands to Fire Station 6 at 134 Amory Street underground.
    - (8) **(Termination 24 strands in new fiber cabinet)** Fire Station 6 at 134 Amory Street in Telco Room.
    - (9) Continue up Amory Street with remaining 84 strands turning left onto Rimmon Street aerial.
    - (10) Continue southerly on Rimmon Street to Putnam Street aerial.
    - (11) Turn left onto Putnam Street and continue out to McGregor Street turning right with remaining 84 strands aerial.
    - (12) Turn right onto Douglas Street and loop out 36 strands at the 151 Douglas riser pole.
    - (13) Continue with 48 strands westerly on Douglas Street to West Street aerial.
    - (14) Turn left on West Street southerly to Parker Street aerial.
    - (15) Turn left on Parker Street to South Main Street aerial.
    - (16) Turn right on South. Main Street aerial.
    - (17) At South Main and Walker Street leave loop of 36 strands for Police at riser pole and proceed underground.
    - (18) Continue down South Main Street with remaining 12 strands underground to Goff Street riser and then aerial to

Fire Station 2 at 527 South Main Street. **(Termination 12 Strands in new fiber cabinet)**

- b) Install inner duct wherever possible for the underground portion of the fiber optic cable run.
- c) Contractor will provide City pre-approved fiber cabinets, loaded adapter plates and terminate with SC connectors or splicing as specified at all locations.
- d) Records of splice description and location will be provided to the Information Systems Department. *(Location of all splices must be approved by City prior to installation)*

Installation Notes:

Cable between One City Hall Plaza and 134 Amory Street Cable name = **CHE-3/FS2**

MH = Maintenance Hole (Manhole)

Pole = Utility pole

□ = Inner duct required

underground = City conduit

**DISCLAIMER**

All run layouts; distances and pole and conduit references have been made to the best of our ability to provide information needed to make a more accurate quote. The contractor must verify run specifications and is responsible for making any needed corrections. If route changes are required, the Communications Superintendent and the Micro Computing/Networking Manager must approve them.

2. **RUN #7***(Fire Station 10 to Fire Station 7 via Elliott Hospital)*
- a) Install 36 single mode fiber strands from Fire Station 10 at 630 Mammoth Road to Fire Station 7 at 679 Somerville Street. The run is as follows:
- (1) **(Termination 36 strands in existing fiber cabinet)** in the Telco Room at Fire Station 10 in existing fiber can.
  - (2) Run the 36-strand cable southerly down Mammoth Road veering right onto Tarrytown Road to Auburn Street aerial.
  - (3) Splice out 12 strands to continue down Tarrytown Road until Elliott Hospital riser pole. Bring into Elliott Hospital. **(Termination 12 strands in new fiber cabinet)**
  - (4) Continue down Auburn Street with the 24 strands aerial.
  - (5) Turn left on Cypress Street to Somerville Street aerial.
  - (6) Turn right onto Somerville Street aerial.
  - (7) **(Termination 24 strands in existing fiber cabinet)** in the Telco room of Fire Station 7 at 679 Somerville Street.
- b) Install inner duct wherever possible for the underground portion of the fiber optic cable run.
- c) Contractor will provide City pre-approved fiber cabinets, loaded adapter plates and terminate with SC connectors or splicing as specified at all locations.
- d) Records of splice description and location will be provided to the Information Systems Department. *(Location of all splices must be approved by City prior to installation)*

Installation Notes:

Cable between 630 Mammoth Road and One Elliot Way Cable name = **F10-1/FS7-1**

Cable between One Elliot Way and 679 Sommerville Street Cable name = **ELL/FS7-1**

MH = Maintenance Hole (Manhole)

Pole = Utility pole

□ = Inner duct required

underground = City conduit

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